

App. No. 10/038189
Amd. Dated October 24, 2003
Office Action Dated July 24, 2003

Amendments to the Claims:

This listing of claims will replace all prior versions and listing of claims in the application.

Claim 1 is amended.

Claims 7-18 are canceled without prejudice or disclaimer.

Claims 19-23 are new.

Listing of Claims:

1. (Currently Amended) A method for producing an optical disk including a substrate and a recording layer disposed above the substrate and reproducing an information signal by a DWDD system, using light incident from the substrate side, the method comprising the processes of:

(i) forming a first dielectric layer, the recording layer, and a second dielectric layer on the substrate in this order; and

(ii) irradiating the recording layer with laser light for initialization from the second dielectric layer side, thereby weakening magnetic coupling of a part of the recording layer[.],

wherein during the process (ii), a region of the recording layer to be irradiated with the laser light for initialization is heated before being irradiated with the laser light for initialization.

2. (Original) A method for producing an optical disk according to claim 1, wherein a wavelength of the laser light for initialization is λ , and

a thickness of the second dielectric layer is in a range of $\lambda/(12 \times n)$ to $\lambda/(2 \times n)$, where n

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is a refractive index of the second dielectric layer.

3. (Original) A method for producing an optical disk according to claim 1, wherein the laser light for initialization is obtained by condensing laser light by an objective lens with a numerical aperture of at least 0.65.

4. (Original) A method for producing an optical disk according to claim 1, wherein during the process (ii), the recording layer is irradiated with laser light for tracking servo, whereby tracking servo is conducted.

5. (Original) A method for producing an optical disk according to claim 4, wherein a wavelength of the laser light for initialization is shorter than a wavelength of the laser light for tracking servo.

6. (Original) A method for producing an optical disk according to claim 1, further comprising forming, on the second dielectric layer, a heat conduction adjusting layer for adjusting sensitivity of the recording layer after the process (ii).

7-18 (Canceled)

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19. (New) A method for producing an optical disk including a substrate and a recording layer disposed above the substrate and reproducing an information signal by a DWDD system, using light incident from the substrate side, the method comprising the processes of:

(i) forming a first dielectric layer, the recording layer, and a second dielectric layer on the substrate in this order; and

(ii) irradiating the recording layer with laser light for initialization from the second dielectric layer side, thereby weakening magnetic coupling of a part of the recording layer,

wherein during the process (ii), the recording layer is irradiated with laser light for tracking servo, whereby tracking servo is conducted and wherein a wavelength of the laser light for initialization is shorter than a wavelength of the laser light for tracking servo.

20. (New) A method for producing an optical disk according to claim 19, wherein a wavelength of the laser light for initialization is λ , and

a thickness of the second dielectric layer is in a range of $\lambda/(12 \times n)$ to $\lambda/(2 \times n)$, where n is the refractive index of the second dielectric layer.

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21. (New) A method for producing an optical disk according to claim 19, wherein the laser light for initialization is obtained by condensing laser light by an objective lens with a numerical aperture of at least 0.65.

22. (New) A method for producing an optical disk according to claim 19, further comprising forming, on the second dielectric layer, a heat conduction adjusting layer for adjusting sensitivity of the recording layer after the process (ii).

23. (New) A method for producing an optical disk according to claim 19, wherein during the process (ii), a region of the recording layer to be irradiated with the laser light for initialization is heated before being irradiated with the laser light for initialization.